

Building Renewal Grant Application

Initial Submission Date: 10/5/2012 12:11:25 PM

Application ID: 179

Resubmittal Date:

Please provide as much of the requested information as possible. SFB staff will assist in developing required information that is not currently available.

District Name: Peoria Unified District
Superintendent: Dr Denton Santarelli
Contact Person: Edward Gillam
Contact Phone Number: 623 486 6175
Contact Email: egillam@peoriaud.k12.az.us
School Site: Alta Loma School
Buildings: 9999 School Wide

Description of Problem

Please include a detailed description of the issues, as well as a description of and a copy of any professional studies, citations or reports from government entities, recommended solutions, and any cost information or estimates. If additional space is needed, please attach.

The base campus was constructed in 1976 and originally had an evap cooling system. Over the years it was converted to a central plant cooling system. The equipment was forced into a work shop area and most of the piping was looped over head where possible. The chillers have undergone major repairs and rework over the years. One section of the underground pipe failed and has been repaired. This failure introduced considerable trash into system which took weeks to filter out. The strainers are now clogging again which may indicate another underground failure or pipe delamination. The fan coils have been removed and cleaned several times to restore maximum cooling but these are now failing.

The control valves are requiring weekly service to keep them operational. The units have little to no fresh air make up options so CO2 readings vary greatly. The duct system consists of one distribution register and return which does not balance the conditioned space. The fan coils do not have the capacity to provide the required cooling and air volume to meet today's HVAC standards. The EMS control system is limited in its control operations and repair parts are not readily available.

Chiller plant for 210 tons (R22 freon) may be under sized to meet new loads required for increased fresh air make up. Removal and replacement of major pieces of the plant will be difficult because it appears to have been component built in place. (Package plant option may be best solution at \$750 to \$1 million depending on efficiency ratings). Electrical support for plant has started failing due to demand loads. Power panel rebuilt last month due to major burn out. Allow \$100,000 for new feeders and panels. Locate underground leak and replace failing piping system. (\$50,000) Replace failing fan coils and valves once piping system is cleaned. Approximately 60 locations.

(\$600,000) EMS control package at \$125,000 to manage set points, hours of operation and CO2 levels.

Project Category: HVAC

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Are any of the above-described issues in buildings or part of buildings that are leased to another entity, including a district sponsored charter school?

Available Funding

Current unencumbered building renewal fund balance (Fund 690):	\$0.00
Amount of Local funds planned for this project	\$50,000.00

Please outline any associated insurance coverage.

This campus was part of the district wide audit completed last year. Life cycles, Work Order and contracted repair records indicate an escalating expenses and more frequent service calls. This campus was forecasted for major replacement program and has future district funding if the November bond passes. Any funding coming from the SFB renewal grant would increase the scope and options to be used for the replacement cycle. Detail reports and audit info can be provided to assist in the review.

Liaison: Cruse

pcruse@azsfb.gov

602-364-1193

Superintendent Printed Name

Superintendent Signature

Date